# Iowa Newborn Screening Program (INSIS) Database Training

May 10, 2016 – 5-6:30PM May 12, 2016 - 9-10:30AM

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#### HOUSEKEEPING

#### Attendance

- Submit name & facility in the Q&A area.
- If you would like a certificate of attendance, please indicate this when submitting your name.

#### To Submit a Question

- Submit questions regarding functionality in the Q&A area.
- Questions will not be answered during the training
- Questions submitted will be posted in an FAQ on the EHDI website (<a href="http://www.idph.iowa.gov/ehdi">http://www.idph.iowa.gov/ehdi</a>) or emailed by June 7, 2016.
- Questions that require an immediate answer, should be mailed to EHDI staff (contact info. at the end)

#### • Recording

- Will be recording today's webinar.
- The link to the recording will be provided at a later date.

#### PRESENTERS

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Iowa Department of Public Health
EHDI State Coordinator

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## PURPOSE OF THIS TRAINING



- Familiarize users with additional functionality in integrated system
- "Hands on" demonstration within the new system
- Opportunity to ask questions in advance of going live!

#### TRAINING OBJECTIVES:

- Demonstrate how to login to the new integrated system
- Demonstrate additional fields required in the database
- Demonstrate how to search for a patient
- Review best practices
- Demonstrate how to add your facility to a record you do not have access to
- Demonstrate how to upload a document
- Identify who to contact with system questions

# • WHAT IS INSIS?

#### INSIS IS...

- Aka: Iowa's Newborn Screening Information System
- A collaborative effort of three newborn screening programs:
  - EHDI (hearing screening)
  - CCHD (pulse oximetry)
  - DBS (heel stick)
- An integrated surveillance system that is:
  - Web-based
  - Reliable
  - Expandable
  - User friendly
- $\circ$  A system that will replace EHDI eSP<sup>TM</sup> and the DBS database.
- Used by birthing facilities to report data to the state health department as required by law for the programs mentioned above.
- Used to ensure infants needing fup receive needed fup in a timely manner.
- System used to perform data analysis (1-3-6 goals), look for trends, provide technical assistance to birthing facilities and audiologists about best practices
- A system that will be used to replace paper reporting
- A system that lead to a partnership between three newborn screening programs which resulted in collaborations:
  - Shared logo
  - Combined brochure

# COMBINED BROCHURE (FRONT)

#### What will my baby be screened for?

- · Argininosuccinic aciduria (ASA)\*
- · Citrullinemia, type 1 (CIT)\*
- · Homocystinuria (HCY)\*
- · Maple syrup urine disease (MSUD)\*
- · Classic phenylketonuria (PKU)\*
- . Tyrosinemia, type I (TYR-1) \*

- Glutaric acidemia type I (GA-1)\*
- · 3-Hydroxy 3-methylglutaric aciduria (HMG)\* · Isovaleric acidemia (IVA)\*
- . 3-Methylcrotonyl-CoA carboxylase (3-MCC)\*
- · Methylmalonic acidemia cobalamin disorders (Cbl-A,B) & methylmalonyl-CoA mutase deficiency (MUT) \*
- βeta-Ketothiolase (βΚΤ)\*
- · Propionic acidemia (PROP)\*
- · Holocarboxylase synthetase deficiency (MCD) \*

#### **ENDOCRINE**

- · Congenital adrenal hyperplasia (CAH)\*
- · Primary congenital hypothyroidism (CH)\*

\* Secretary's Advisory Committee on Heritable Disorders in Newborns and Children (SACHDNC) Recommended Uniform Screening Panel - Core Panel

More information continued on next side...

#### **Dried Blood Spot Screening**

looking for?

What is the screen The dried blood spot screening looks for a variety of genetic and inherited disorders. A list can be seen on the insert.

How is the screen A few drops of blood are taken from your done?

baby's heel and put on a special paper. The state public health laboratory then does the

How will I find out The Newborn Screening Program will notify the results?

your baby's health care provider. If there is an abnormal result, you will get a call letting you know the next steps. Ask about your baby's dried blood spot results at your first well child check

What if my baby does not pass?

Don't panie! If you get a call from your baby's health care provider, it does not always mean your baby has one of these medical conditions. It is important to take your baby for repeat testing as soon as possible.

What happens to the blood after screening?

Left-over blood specimens may be available for additional testing if your baby should need it. It may also be used to ensure quality testing and to improve newborn screening

With consent from a parent or legal guardian, the blood specimen may also be used for research purposes. If you do not want your baby's left over blood spots stored after the screening is done, please contact the lowa Department of Public Health at the phone number or address below for assistance.

Contact

Iowa Newborn Screening Programs Bureau of Family Health Iowa Department of Public Health 321 East 12th Street Des Moines IA50319 Phone 1-800-383-3826

#### Need help remembering the results?

Use the space below to record your baby's newborn screening results.

Passed	Not Passed
Passed	Not Passed
1 1	
Passed	Not Passed
	Passed / /

To learn more about newborn screening, visit http://idph.iowa.gov/genetics/public/newborn-screening

lowa Department of Public Health Newborn Screening Programs 1-800-383-3826

lowa Newborn Bloodspot Screening Follow up Program 1-866-890-5965





To order more brochures, call the Healthy Families Line at 1-800-369-2229.



# COMBINED BROCHURE (BACK)

#### Iowa Newborn Screening

Newborn screening is a way to identify babies who may have serious medical conditions. These conditions are often treatable, but may not be visible at birth. Early treatment of these conditions can prevent against more serious illness, disability or death. Newborn screening

- . Dried Blood Spot Screening (Genetic or Congenital Disorders)
- · Pulse Oximetry Screening (Critical Congenital Heart Disease)

Due to the importance of catching these conditions early, state law requires that newborns receive the screens listed above. If you have questions, please refer to the appropriate contact information.

If your baby does not pass a newborn screen, it is crucial that you follow-up as recommended. Early detection and intervention will result in the best possible outcome for your baby.



#### **Hearing Screening**

looking for?

What is the screen The hearing screen is a quick and effective way to determine if your baby can hear sounds needed to learn language.

done?

How is the screen Hearing screening is safe and will not hurt. It can be done in about 10 minutes. There are two types of screens done for hearing. loss depending on the equipment available to the hospital or local audiologist, AABR and OAE. Neither test will make your baby uncomfortable, and they are often done while your baby is asleep.

the results?

How will I find out A health care provider/audiologist will talk with you about the results of your baby's screening. Please make sure you tell your provider the name of your baby's primary care provider so they can send them the results. If your baby passed the hearing screen, you should continue to look for signs of late onset hearing loss.

What if my baby does not pass?

If your baby does not pass or is missed at the birth screen, make sure he or she is screened as soon as possible. Please take your baby back to the birth hospital or audiologist for a hearing screen within two weeks. It is important to find hearing loss quickly, because babies whose hearing loss is not found early may have a hard time learning language. Simply watching your baby startling or responding to sound is not a substitute for a formal hearing screen.

Contact for assistance locating providers

Iowa Family Support Network 1-888-425-4371

lowa Department of Public Health 1-800-383-3826

#### **Pulse Oximetry Screening**

looking for?

What is the screen The pulse oximetry screen looks for low levels of oxygen in the blood that may indicate a problem with the heart or lungs. Critical congenital heart disease occurs when a baby's heart does not develop

How is the screen done?

Pulse oximetry is fast, simple and accurate. It can be used on babies soon after they are born. Hospital nursery staff will do the screening when the baby is at least 24 hours old. A small sensor is placed on the baby's right hand and left foot allowing a connected device to measure the baby's

How will I find out the results?

What if my baby does not pass? Your baby's doctor or a nurse will tell you the results of the pulse oximetry newborn

Your baby will not pass if:

-Your baby has a low level of oxygen -There is a 3 percent difference between the reading in your baby's hand and foot.

At this point, a complete physical examination will be completed to determine why your baby did not pass the screen. There may be several reasons, including respiratory problems or infections.

Contact

Iowa Department of Public Health 1-800-383-3826

#### What will my baby be screened for? (cont.)

#### FATTY ACID OXIDATION DISORDERS

- · Carnitine uptake defect & Carnitine transport defect (CUD) \*
- · Long-chain L-3 hydroxyacyl-CoA dehydrogenase (LCHAD)\*
- Medium chain acyl-CoA dehydrogenase deficiency (MCAD) \*
- · Trifunctional protein deficiency (TFP)\*
- · Very long-chain acyl-CoA dehydrogenase deficiency (VLCAD) \*

#### **HEMOGLOBINOPATHIES**

- . Sickle cell anemia (Hb SS)\*
- . Hemoglobin SC disease (Hb SC)\*
- Sickle beta-thalassemia (Hb Sβ)\*

#### OTHER

- · Biotinidase deficiency (BIOT)\*
- · Cystic fibrosis (CF)\*
- · Classic galactosemia (GALT)\*
- · Severe combined immunodeficiencies

Secretary's Advisory Committee on Heritable Disorders in Newborns and Children (SACHDNC) Recommended Uniform Screening Panel - Core Panel

For more disorder specific information go to:

http://www.shl.uiowa.edu/screening/newborn/disorderslist.xml

To order brochures, call the Healthy Families Line at 800-369-2229 Request publication IDPH131. Spanish will be available soon.



# SHARED LOGO



#### REMINDERS!!

- The website link will be changing.
- Will have to delete the old link and save the new link.
- New link will be:
  - <a href="https://iowanewbornscreening.iowa.gov">https://iowanewbornscreening.iowa.gov</a>
- The "GO LIVE" date is June 7.
- The old system will go down on **June 3** and the new system will not be available until June 7.
- Tokens will need to be returned to IDPH once the new system is up and running
  - Guidance on how to turn in tokens will be provided after June 3.

# LOGIN, HOMEPAGE, & MENU OPTIONS

https://iowanewbornscreening.iowa.gov

#### System Login



#### SYSTEM SECURITY

- Unique username for each user
  - Usernames will be assigned by IDPH
- Strong Passwords
  - Requires a mix of capital, lowercase letters, numbers, and/or special characters
  - Requires at least 6-35 characters
  - System requires user to change PW every 120 days
  - Do NOT share passwords
- Access Rights
  - A user can only see those records and modules that are assigned to their specific user account.
  - System tracks users and their footprint in the system

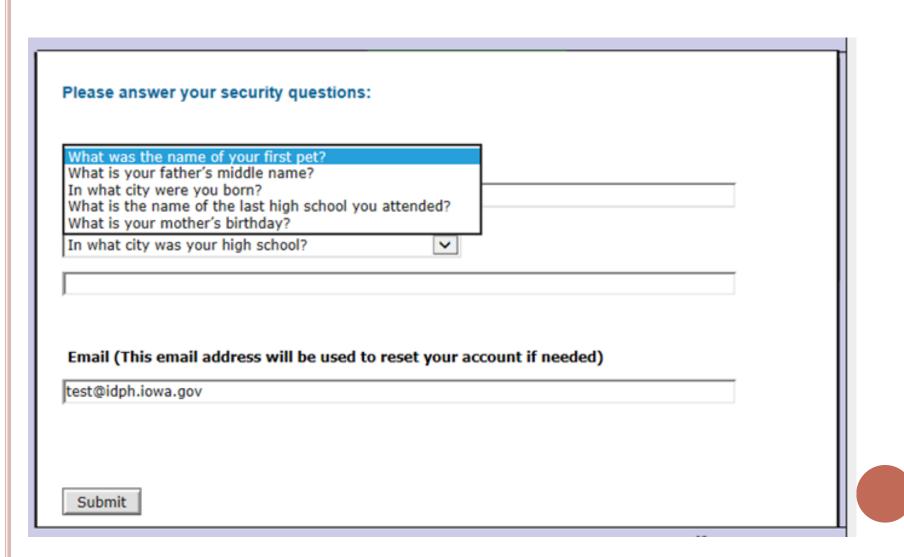
## System Login

- Two-step authentication is still required
- Moving away from tokens to security questions. (similar to what is used by online banking)
- Initial log in process:
  - Choose 2 security questions
  - Set answers for the security questions
  - Enter your email address
    - Used to send the security answers, if forgotten
  - Accept User Agreement
    - Agreeing to confidentiality and terms
- First step of logging in:
  - Username
  - Password
- Second step of log in:
  - Enter the answers for your security questions

# SYSTEM LOGIN

# Iowa Newborn Screening Programs WELCOME. oz systems Please login below using your eScreener Plus username and password. If you have problems logging in please contact the helpdesk at 1-800-383-3826 **USERNAME:** MORE INFO Iowa Newborn Screening Program PASSWORD: Login Now OZ Systems e-Screener Plus v.4.1 © 2003-2016, all rights reserved -IAEHDI 2015 UAT-

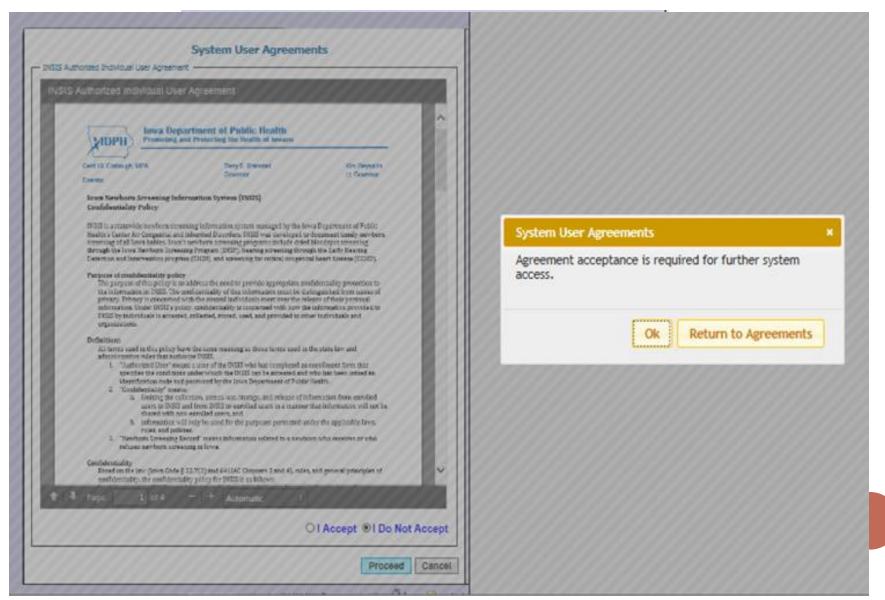
# CHOOSING YOUR 2 SECURITY QUESTIONS



# SET ANSWERS FOR YOUR SECURITY QUESTIONS

Please answer your security questions:
What was the name of your first pet?
pet
In what city was your high school?
school
Email (This email address will be used to reset your account if needed).
test@idph.iowa.gov
Thank you for setting up your eSP security questions and answers. Your login credentials will be saved. For future logins, you will be required to enter your Username, Password and your 2
Security Questions Answers.
Next

### ACCEPT USER AGREEMENT



# GETTING STARTED: WELCOME PAGE (AKA MAIN AREA)

- What you will see in the Main Area:
  - A welcome message.
  - Support information for questions and concerns.
  - System Messages.
  - Convenient menu tabs.



#### Welcome Page

You will only see the modules/tabs applicable to you.

oz systems





#### Welcome to eScreener Plus (eSP)

ct facility

Please select the appropriate option from the menu on the left of the screen to continue.

If you have any questions while using eSP, support materials can be found by clicking the HELP icon at the left of every screen or the support link at the top of the page. For additional support or questions, please call 1-800-383-3826

This system is licensed for use by the Iowa Department of Public Health (IDPH). Any access to and use of this site and the material within the site is governed by the contract agreement between IDPH and OZ Systems for the sole use of the authorized agents of the Iowa Newborn Screening Programs. Unauthorized use is a violation of Federal Law and State of Iowa and Department policies.

Helpdesk: 1-800-383-3826 Monday, 25 January 2016 | 🔐 home 🖂 contact







OZ Systems e-Screener Plus 4.1 -- 8 , OZ Systems; all rights reserved

#### MENU TABS

- Patients used to add or search for patients, edit patient info., add exam results, access the patient journey, and print to-do-lists.
- Professional Contacts used to search for a professional contact.
- Letters used to generate and print letters for patients, physicians, and hearing professionals.
- Reports used by the program manager to monitor progress.
- Admin used to change your password and settings for data entry. Also, used by the program manager to manage screeners.

#### MENUS AND TOOLS

- **Login Information:** Upper left hand corner displays information on the current user, facility, and last login date. Look here to verify you have logged into the correct facility.
- Quick Links: Located in the upper right hand corner allow the user to return to current patient record, current search results and current exam import files quickly without having to navigate through the menu tabs.
- Menu Bar: Each Menu tab contains a sub menu. (Click on menu bars to show differences in sub menus).
- **Help:** Help related to the current page can be accessed by clicking on the help box in the lower left hand corner of the menu bar. In addition, the Support link under the Login Information will display a list of general help items.
- **Support Contacts:** The OZ System Help desk number is listed at the bottom of the screen. The user may also email the Help desk by clicking on the Contact email icon. A 24 hour response time can be expected.

System Administrator User: Facility: Iowa Dept. of Public Health Last Login: 12/07/2015 15:51:45 😈 logout 📴 support 🚟 select facility

quick links: select a page







Helpdesk: 888-727-3366 ext 2 Tuesday, 31 March 2015 | A home Contact

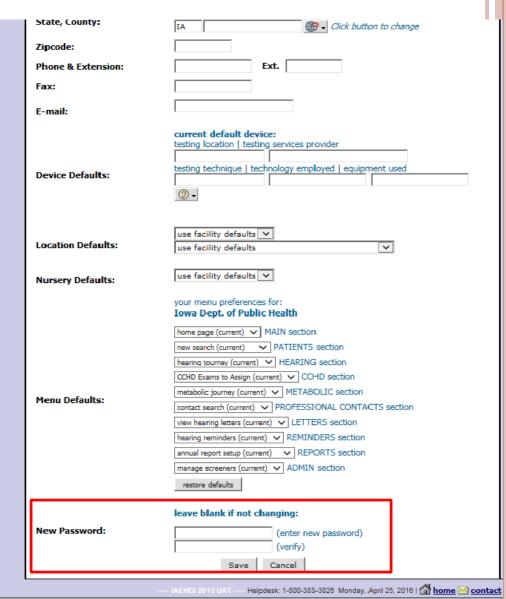




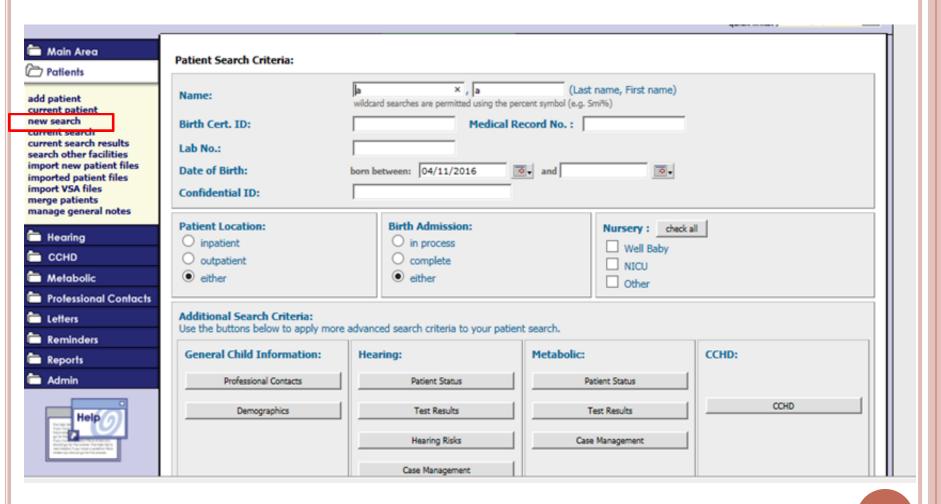


## My User Profile

- Set personal preferences and defaults
  - Devices
  - Location
  - Nursery
  - Menu Setting Your Home Page
  - Change Password



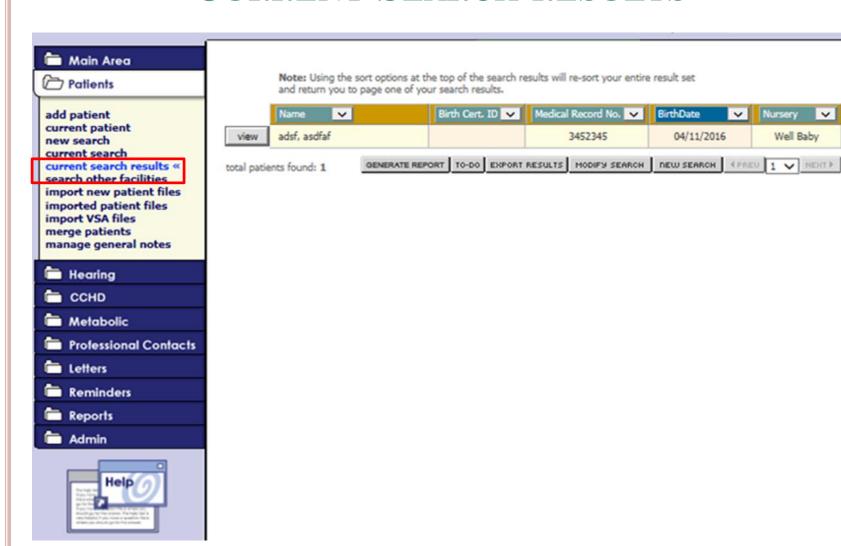
## SEARCH FOR A PATIENT

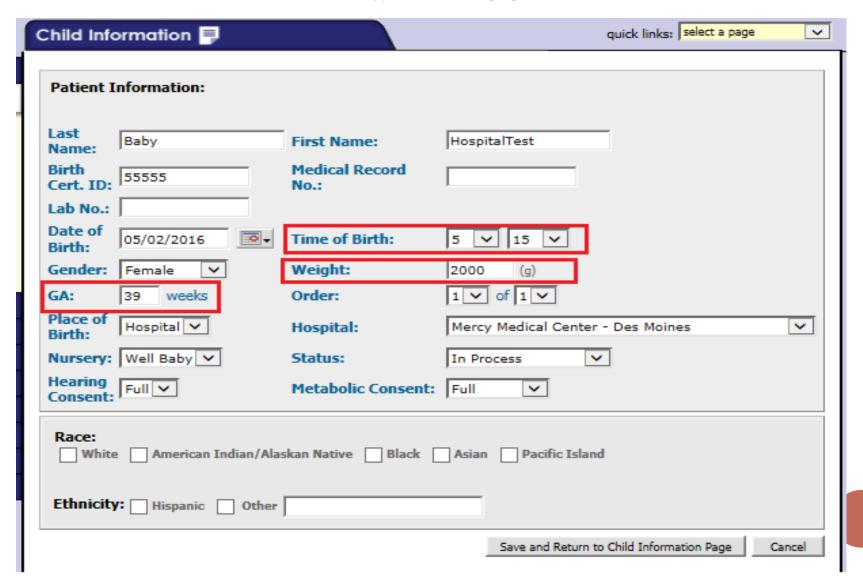


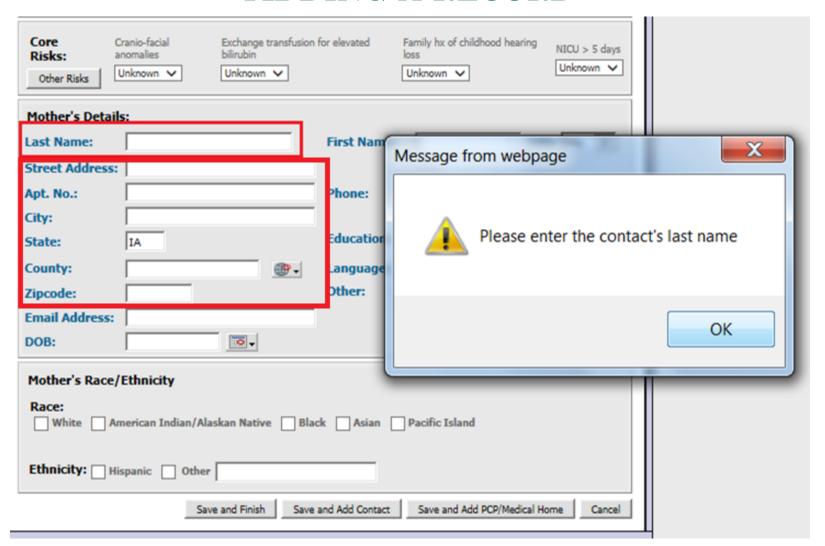
# CURRENT SEARCH RESULTS

Nursery V

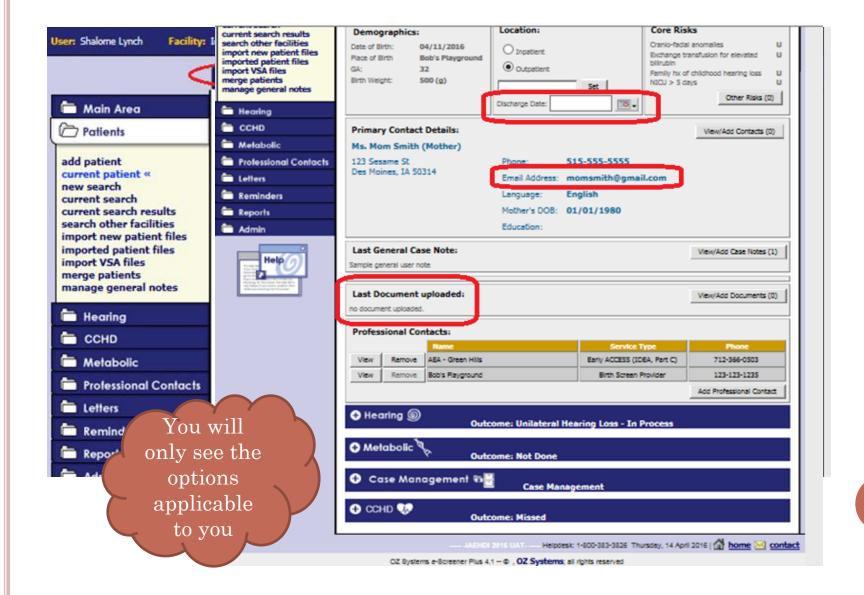
Well Baby

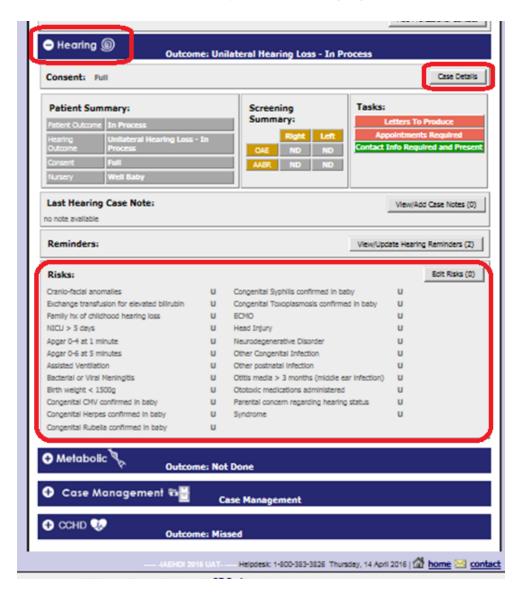




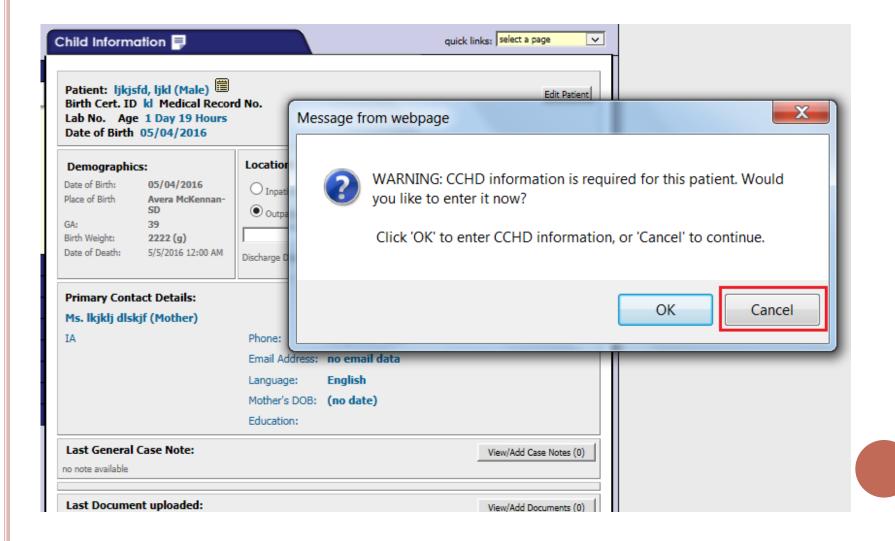


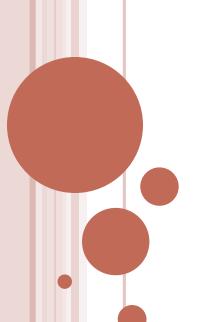
Child Information 📮	quick links: select a page	
Patient Information:		
Last Name:  Birth Cert. ID:  Lab No.:	12	
Date of Birth:  Gender: Male	2222 (g) 1 v of 1 v	
Nursery: Well Baby Status:	ic Consent: Full	
Race:  White American Indian/Alaskan Native Black Asian Pacific Island  Ethnicity: Hispanic Other		
	Save and Return to Child Information Page Cancel	





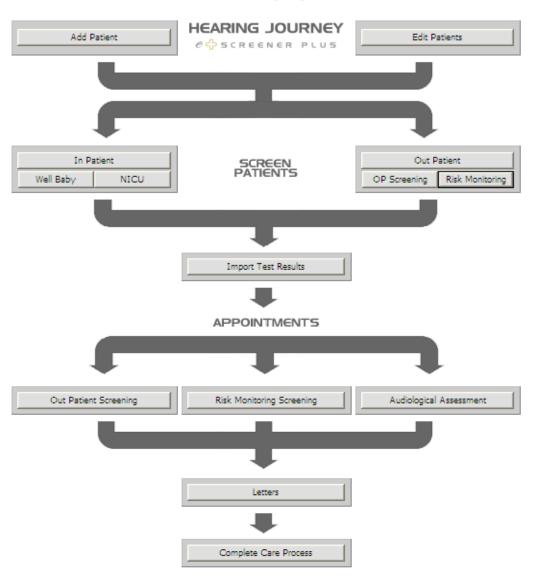
# MOVING TO OUTPATIENT





# **NEW FUNCTIONALITY**

# PATIENT JOURNEY



#### PATIENT JOURNEY

• The Patient Journey is designed to walk through the daily screening process.

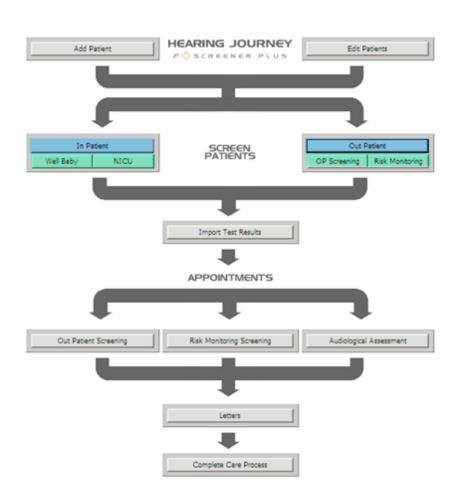
• The patient protocol and status determine where the patient will appear in the journey.

#### PATIENT JOURNEY

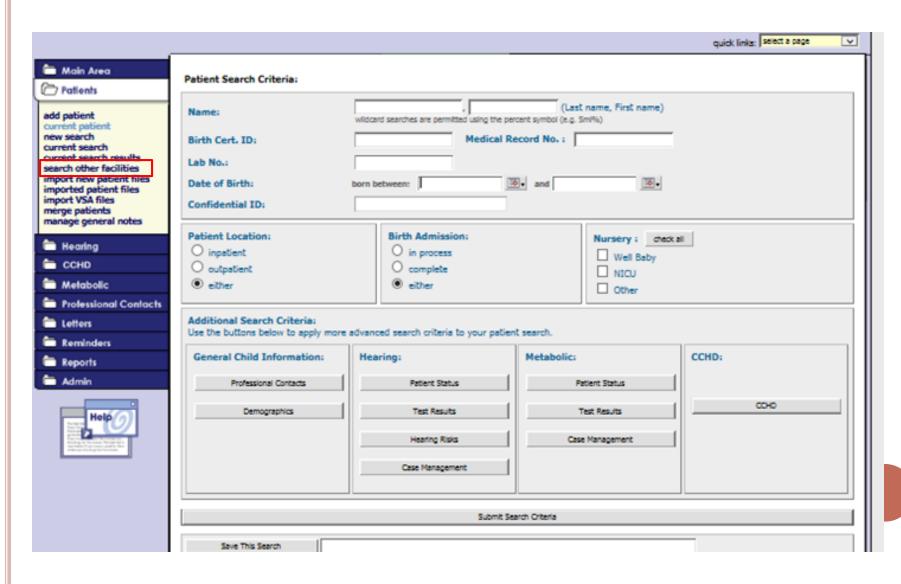
#### The six step care path:

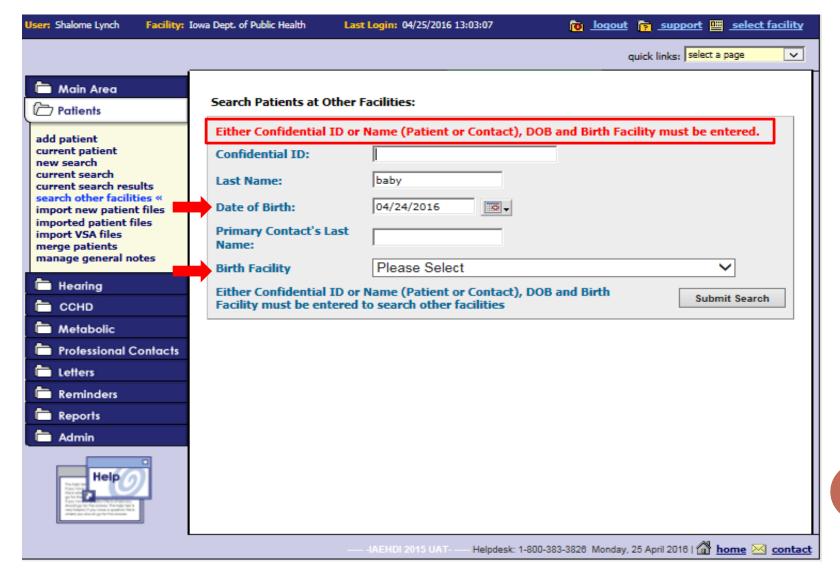
- Step 1: Add patient demographics to the system (manually or electronically)
- Step 2: Create "to do" lists of patients needing screening, both inpatient and outpatient.
- Step 3: Input results for the screenings completed.
- Step 4: Schedule appointments: outpatient screenings, surveillance, or audiological assessment
- Step 5: Print letters: primary contact and PCP
- Step 6: Complete the care process

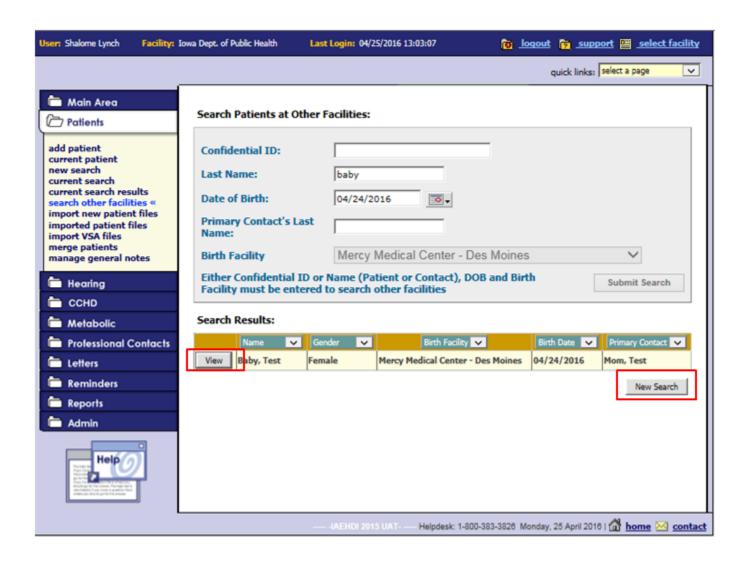
# To Do Lists

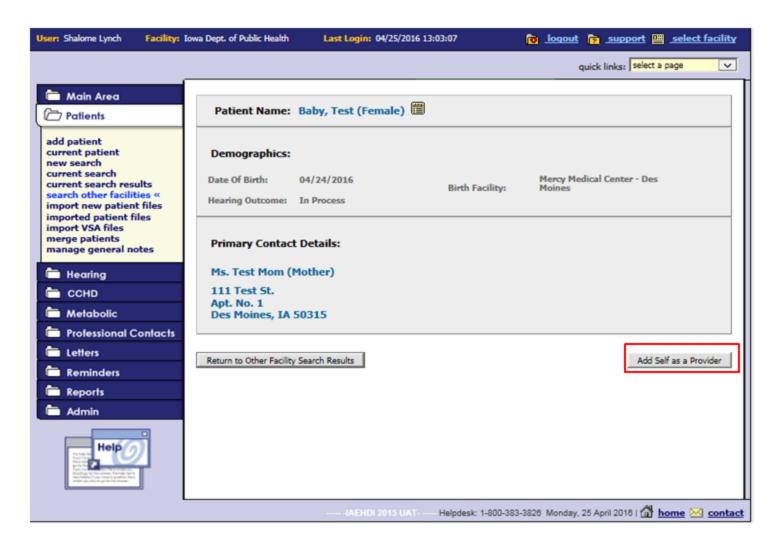


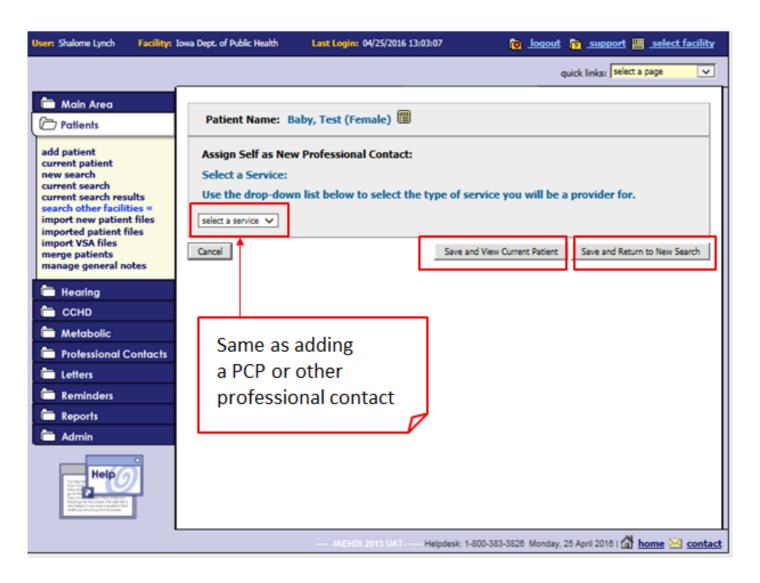
- Print lists of patients requiring screening for the day
  - Inpatient
  - Outpatient
  - Available for EHDI and will be for CCHD











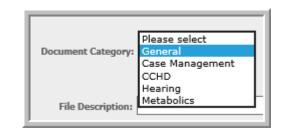
### PATIENT DOCUMENT UPLOAD

- o This feature can store documents relevant to the patient's newborn screening care and allow the system to store scanned PDF and other documents with the client record.
- Select 'View/Add Document' on the child's information page.
- Browse to the file that needs to be imported.



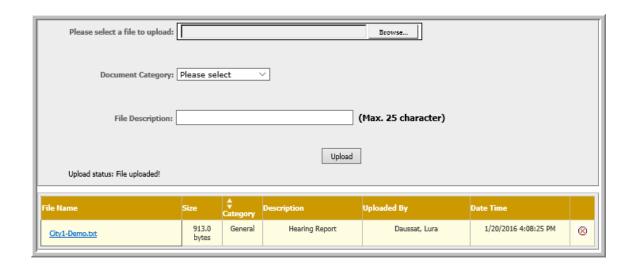
# PATIENT DOCUMENT UPLOAD

- Select the document category.
- You will only see the arenas of care that you have access to.
- Provide a description of the file that is being uploaded. Ex: "Audiology Report"

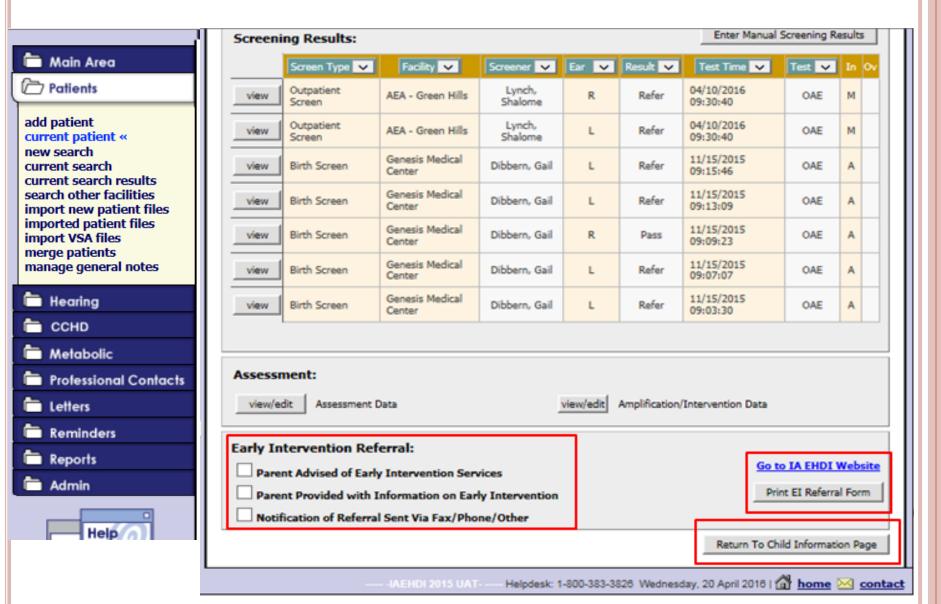


# PATIENT DOCUMENT UPLOAD

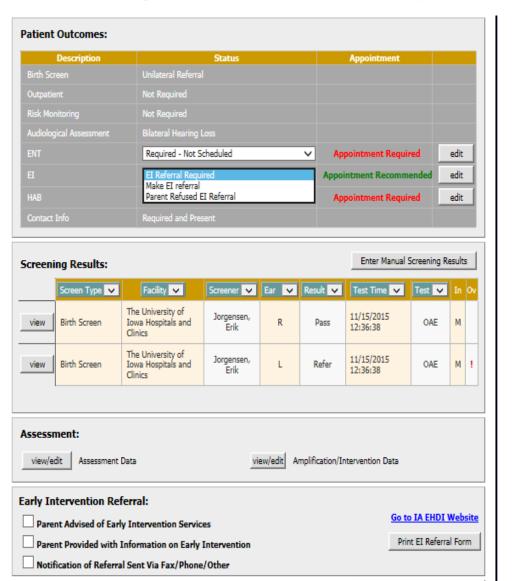
- Select Upload and the file will upload.
- If the file was inadvertently uploaded, delete the file by pressing on the red x on the file line that was uploaded.



# REFER TO EARLY INTERVENTION



# REFER TO EARLY INTERVENTION



# CURRENT FUNCTIONALITY & BEST PRACTICES

#### BEST PRACTICES

- Ensure all address fields are entered.
- Add appointments in the child's record
- If results need modified, contact EHDI staff
- Enter ALL screens performed on each child, not only the last screen
- Follow screening protocols for number of times children should be screened
- Schedule OP screen before hospital discharge
- Do not bring children back multiple times for OP screens. Refer to diagnostic assessment after the first failed OP screen.

#### REFERRALS

- If fail OP, refer infant to PCP for Dx referral.
- Provide family with information on local Dx provider.
- To find local provider you can call: Iowa Family Support Network (IFSN) (888) 425-4371

iafamilysupportnetwork@vnsia.org

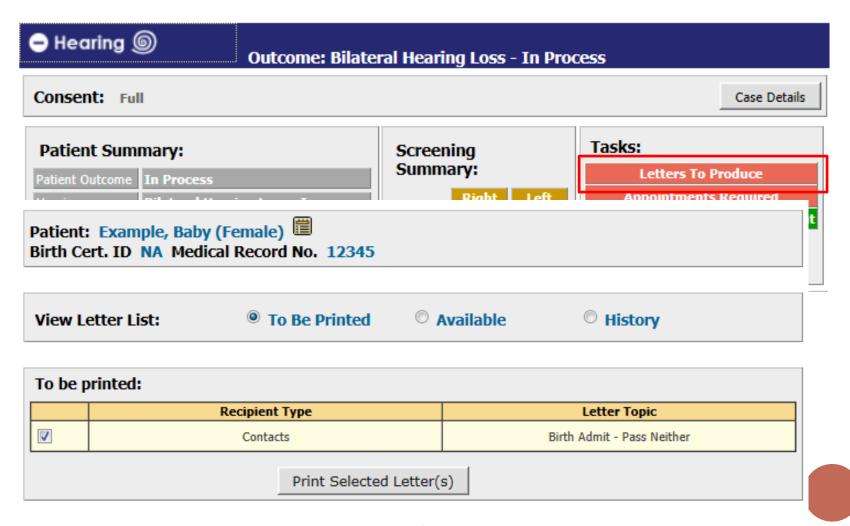
#### SAVE A SEARCH

- The system has the capability of saving frequent searches.
- This saves time by loading the preset search.
- Search dates/variables, etc. can be customized.
- Searches are specific to the user.

## RUNNING REPORTS

- Able to run multiple reports in the system.
- Can be used as a tool to assist in ensuring that all data has been entered and reviewing your own data.
- This is the same data utilized in the quarterly reports.
- A training was provided last fall on running reports.
- If you are interested in running reports for your facility, please contact EHDI staff.

# LETTERS



# PRINTING LETTERS

Listed below are the letters you have created. If the letter status is 'completed', this letter is available for viewing and/or printing.

	Documents From: 08/26/2014 To: 02/12/2015 Filter Date											
		Status	Patients	Info	User	Submitted						
	W	Complete	Happy,Fake	P	Screener, Sample	02/12/2015 08:38:09 AM						
	W	Complete	Demo1,Demo3	P	Screener, Sample	02/12/2015 08:37:35 AM						
	W	Complete	FAKE	P	Daussat, Lura	08/26/2014 10:50:40 AM						

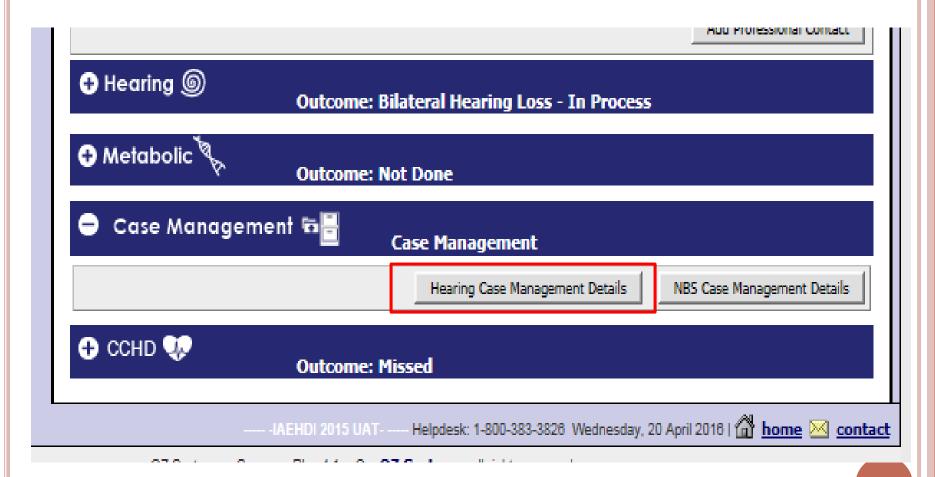
Click the MS Word icon to open the document(s).

# CASE MANAGEMENT

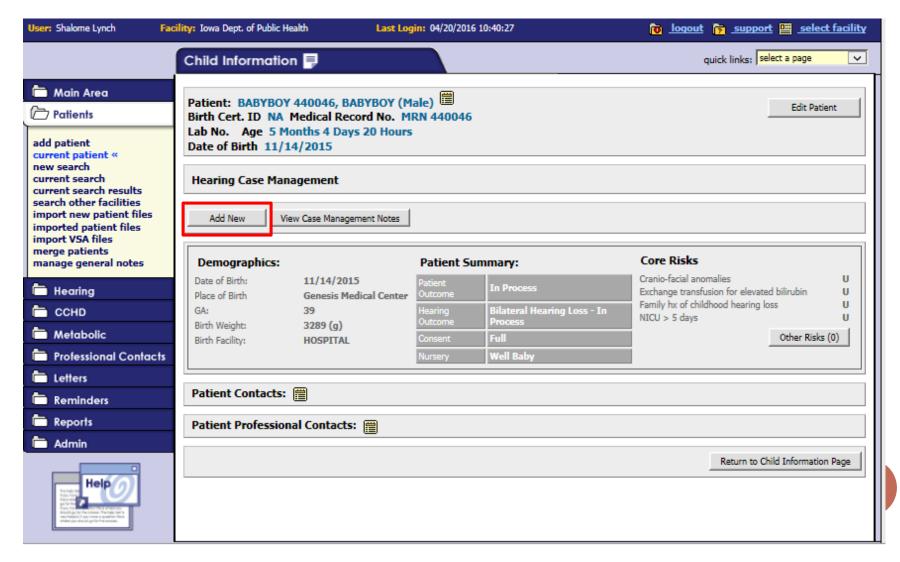
- Case management module allows for:
  - Tracking of events: letters, phone calls, emails, faxes
  - Logging of correspondence with various provider types and patient contacts
  - Entering of notes on content of correspondence
  - Monitoring of case management staff



# CASE MANAGEMENT

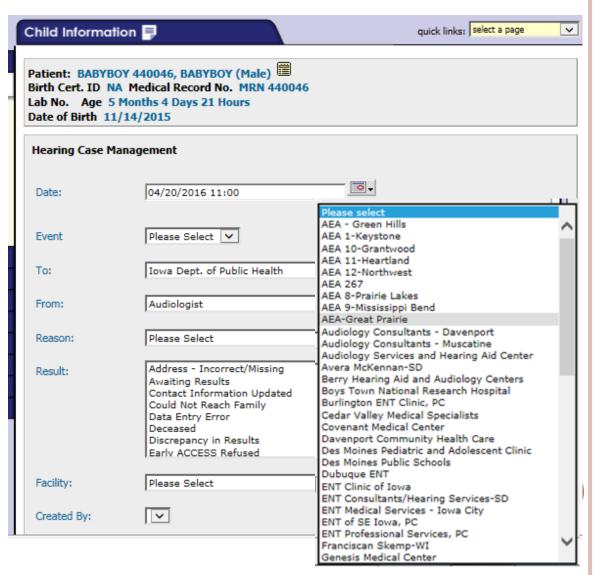


# CASE MANAGEMENT



# Entering a Case Management Event

- Enter the Date
- Log To/From
- Select the Event
  - Email
  - Face to Face
  - Fax/FaxbackForm
  - Letter
  - Phone Call
  - Text
- Provide a Result
- Document
   Facility and Staff

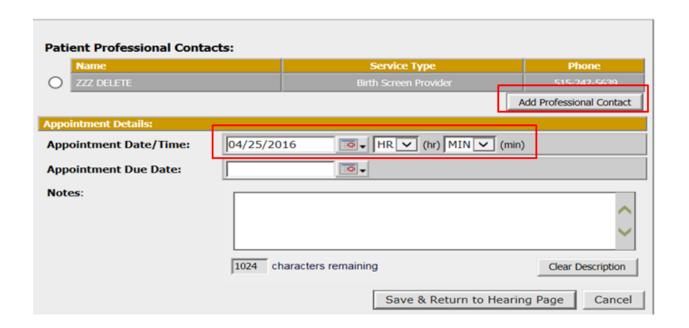


# VIEWING AND EDITING CM EVENT

• Overview on Case Management Home page.

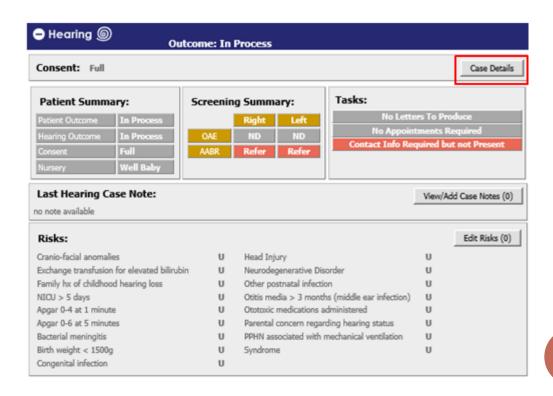
Case Management:													
Edit / View	Date & Time	Event		То	· ·		Facility	Notes					
Edit	07/08/201403:00 PM	0 PM Letter				ota Newborn ing Program	Test Hospital						
Add New View Case Management Notes													
Demographics:  Date of Birth: 06/26/2014  Place of Birth Sesame Street Hospital  GA: 40  Birth Weight: 3950 (g)  Birth Facility: Hospital			Patient Summary:  Patient Outcome In Process  Hearing Unilateral Hearing Loss - In Process  Consent Full  Nursery Well Baby			Core Risks  Cranio-facial anomalies  Exchange transfusion for elevated bilirubin  Family hx of childhood hearing loss  NICU > 5 days  Other Risks (0)							
Patient Contacts:													
Patient Professional Contacts:   Save and Return to Child Information Page													

# RECORDING APPOINTMENTS



# MANUAL ENTRY OF HEARING SCREENING

- To enter Hearing Screening Results Manually:
  - First, open the Hearing Screening Tab and click on 'Case Details'



# Manual Entry of Hearing Screening

- To enter Hearing Screening Results Manually:
  - Second, click on 'Enter Manual Screening Results'



# Manual Entry of Hearing Screening

- To enter Hearing Screening Results Manually:
  - Third, enter the results and corresponding details.

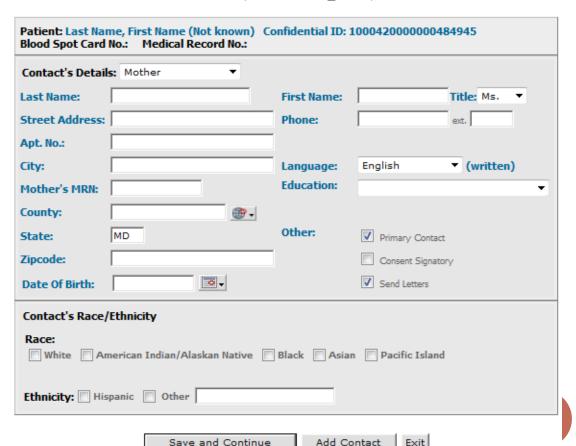
#### Enter test results data: Patient: Bear, Fozzie (Male) Birth Certificate No. NA Medical Record No. 11218 testing location testina services provider select location 🗸 select provider 🗸 testing technique technology employed equipment used select technique 🗸 select technology V select equipment 🗸 RIGHT EAR (R) LEFT EAR (L) select left result V select right result 🗸 Well Baby select test type nursery: test type: Shaw, Sarah V date/time of screen: 07/08/2014 01:26:27 PM . O screener:

Cancel

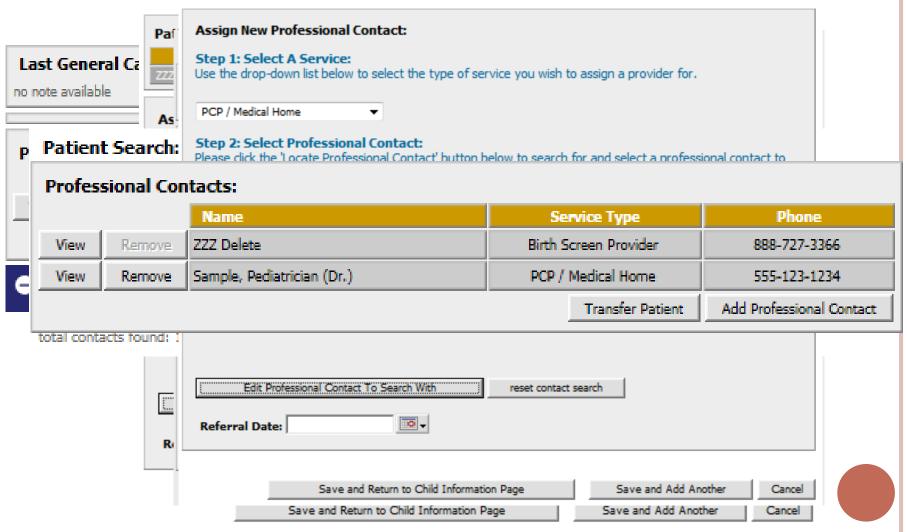
Save

# **CONTACT INFORMATION**

- Next of Kin Contact Information (multiple)
  - Grandparent
  - Mother
  - Father
  - Adoptive Parent
  - Foster Parent
  - Social Services



# ADDING A PROFESSIONAL CONTACT



#### UPCOMING...

- Instructions on how to turn in tokens AFTER June 7, 2016 (roll-out date)
- For those tokens not turned in, there will be a \$60 charge payable to IDPH.
- Critical Congenital Heart Disease and Dried Blood Spot programs will roll-out their modules later this year
  - Anticipate the additional users/modules to affect your work minimally
- FAQ with questions from all trainings will be compiled and posted by June 7, 2016.
- Before June 3, current importing hospitals must write down what their current import map is now so they can set it up when the new system rolls out.
- The INSIS User Manual link will be sent out at a later date. Working with vendor on how best to do this because of the proprietor information.

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# DEMOGRAPHICS/RESULT TOOLS



- Will be moving away from manual entry of demographics and results
  - Newborn Admission Notification Information
    - messaging platform that bridges health info with public health agencies
    - Available at a cost
  - Import
    - flat file created by your IT department
- Will lessen the time for staff used in data entry
- Will not miss kids in the system as it comes directly from EHR/Admission Record
- Will help improve quarterly reports
- Look for emails in coming months with deadline





# HOSPITALS CURRENTLY IMPORTING

- Before June 3, hospitals currently importing must write down what their current import map is in the exact order so they can set it up when the new system rolls out.
- Instructions will be sent out to provide further guidance.
- We will provide a quick demonstration as a reminder in how to set up an import map, save it and search for the file that you plan to import.
- Updating import map with additional required fields.